AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A workflow defining system, comprising:

a state setting module, which at least sets a <u>request form generating state</u>first terminal state, a <u>debug department manager state</u>second terminal state, and a <u>debug engineer state</u>third terminal state;

an instruction generating module, which generates a <u>sending instruction</u>first instruction for the <u>request form generating state</u>, a <u>receiving instruction and a returning instruction</u>second instruction for the <u>debug department manager state</u>, and a <u>debug completing instruction for the debug engineer state</u>third instruction for the first terminal state, the second terminal state, and the third terminal state, respectively; and

a path generating module, which generates a first path, a second path, and a third path<u>, and a fourth path</u> according to the <u>sending instruction</u>first instruction, the <u>receiving instruction, the returning instruction</u>second instruction, and the <u>debug completing instruction</u>third instruction, wherein the first path<u> points from the sending instruction to the debug department manager state</u>, the second path<u> points from the receiving instruction to the debug engineer state,</u> and the third path <u>points from the returning instruction to the request form generating state and the fourth path</u> respectively points from the <u>debug completing instruction</u>first instruction, the second instruction and the third instruction to one of the first terminal state, the second terminal state and the third terminal state.<u>,</u>

wherein the request form generating state having the sending instruction, the debug department manager state having the receiving instruction and the returning instruction, and the debug engineer state having the debug completing instruction are shown on a first terminal device, a second terminal device, and a third terminal device, respectively, so that the sending instruction, the receiving instruction, the returning instruction or the debug completing instruction is selected to be executed.

2. (Currently Amended)   The workflow defining system according to claim 1, wherein:

data of the ~~first terminal state~~request form generating state are output from the ~~first terminal state~~request form generating state via the first path when the ~~first instruction~~sending instruction is executed;

data of the ~~second terminal state~~debug department manager state are output from the ~~second terminal state~~debug department manager state via the second path when the receiving instruction~~second instruction~~ is executed;~~and~~

data of the debug department manager state are output from the debug department manager state via the third path when the returning instruction is executed; and

data of the ~~third terminal state~~debug engineer state are output from the ~~third terminal state~~debug engineer state via the third path when the ~~third instruction~~debug completing instruction is executed.

3. (Canceled)

4. (Currently Amended)   The workflow defining system according to claim 1, wherein:

the state setting module ~~could further~~ add_s_ a work finishing state~~fourth terminal state~~;

the instruction generating module ~~could further generate~~ generates a

re-starting instruction~~fourth instruction~~ for the work finishing state~~fourth terminal state~~; and

the path generating module ~~could further~~ generates a fifth~~fourth~~ path according to the re-starting instruction~~fourth instruction~~, the fifth~~fourth~~ path pointing from the re-starting instruction~~fourth instruction~~ to ~~at least one of the first terminal state,~~ the ~~second terminal state~~debug department manager state~~, the third terminal state, and the fourth terminal state~~.

5. (Currently Amended)   The workflow defining system according to claim 4~~1~~, wherein:

the instruction generating module ~~could further~~ generates a completion confirming instruction ~~fifth instruction~~ for ~~one of the first terminal state,~~ the ~~second terminal state~~debug department manager state ~~and the third terminal state~~, the path generating module ~~could further~~ generates a sixth~~fifth~~ path according to the completion confirming instruction~~fifth instruction~~, and the sixth~~fifth~~ path points from the completion confirming instruction~~fifth instruction~~ to the ~~at least one of the first terminal state~~work finishing state~~, the second terminal state and the third terminal state.~~, wherein

the instruction generating module generates a re-signing instruction for the debug engineer state, the path generating module generates a seventh path according to the re-signing instruction, and the seventh path points from the debug engineer state to the debug department manager state.

6. (Currently Amended)   The workflow defining system according to claim 1, further comprising:

a path altering module, which ~~could~~ alters ~~one of the first path, the second path and~~ the fourth~~third~~ path to point to ~~another one of the first terminal state,~~ the ~~second terminal state~~debug department manager state ~~and the third terminal state~~.

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Currently Amended)   The workflow defining system according to claim ~~9~~1, wherein:

added data are input from the terminal device to ~~at least one of~~ the ~~first terminal state~~request form generating state, the ~~second terminal state~~debug department manager state, ~~and~~or the ~~third terminal state~~debug engineer state.

11. (Currently Amended)   A workflow managing system, comprising:

at least three terminal states, which at least comprise a ~~first terminal state~~request form generating state, a ~~second terminal state~~debug department manager state, and a ~~third terminal state~~debug engineer state;

at least ~~four~~three instructions, which at least comprise a ~~first instruction~~sending instruction, a receiving instruction and a returning instruction~~second instruction~~, and a ~~third instruction~~debug completing instruction, wherein the ~~first instruction~~sending instruction, the ~~second instruction~~receiving instruction and the returning instruction, and the ~~third instruction~~debug completing instruction are set according to the ~~first terminal state~~request form generating state, the ~~second terminal state~~debug department manager state, and the ~~third terminal state~~debug engineer state, respectively; and

at least ~~four~~three paths, which at least comprise a first path, a second path, ~~and~~a third path, and a fourth path, wherein the first path, the second path, ~~and~~the third path and the fourth path are generated according to the ~~first instruction~~sending instruction, the ~~second instruction~~receiving instruction, the returning instruction, and the ~~third instruction~~debug completing instruction, respectively, and the first path

points from the sending instruction to the debug department manager state, the second path points from the receiving instruction to the debug engineer state, ~~and~~ the third path points from the returning instruction to the request form generating state and the fourth path point ~~respectively~~ from ~~the first instruction, the second instruction, and the third instruction~~debug completing instruction ~~to one of the first terminal state, the second terminal state, and the third terminal state.~~,

wherein the request form generating state having the sending instruction, the debug department manager state having the receiving instruction and the returning instruction, and the debug engineer state having the debug completing instruction are shown on a first terminal device, a second terminal device, and a third terminal device, respectively, so that the sending instruction, the receiving instruction, the returning instruction or the debug completing instruction is selected to be executed.

12. (Currently Amended)   The workflow managing system according to claim 11, wherein:

data of the ~~first terminal state~~request form generating state are output from the ~~first terminal state~~request form generating state via the first path when the ~~first instruction~~sending instruction is executed;

data of the ~~second terminal state~~debug department manager state are output from the ~~second terminal state~~debug department manager state via the second path when the ~~second instruction~~receiving instruction is executed;~~and~~

data of the debug department manager state are output from the debug department manager state via the third path when the returning instruction is executed; and

data of the ~~third terminal state~~debug engineer state are output from the ~~third terminal state~~debug engineer state via the ~~fourth~~third path when the ~~third instruction~~debug completing instruction is executed.

13. (Currently Amended)   The workflow managing system according to claim 11, further comprising:

a work finishing state~~an added terminal state~~;

a re-starting instruction~~first added instruction~~, which is generated according to the work finishing state~~added terminal state~~; and

a fifth~~first added~~ path, which is generated according to the re-starting instruction~~first added instruction~~, wherein the fifth~~first added~~ path points from the re-starting instruction~~first added instruction~~ to ~~one of the first terminal state,~~ the ~~second terminal state~~debug department manager state~~, the third terminal state, and the added terminal state~~.

14. (Currently Amended)   The workflow managing system according to claim 13~~11~~, further comprising:

~~an added terminal state;~~

a completion confirming instruction~~first added instruction~~, which is generated according to the debug department manager state~~added terminal state~~; and

a sixth~~first added~~ path, which is generated according to the completion confirming instruction~~first added instruction~~, wherein the sixth~~first added~~ path points from the completion confirming instruction~~first added instruction~~ to ~~at least any two of the first terminal state, the second terminal state, the third terminal state, and~~ the work finishing state~~added terminal state~~.

15. (Currently Amended)   The workflow managing system according to claim 11, further comprising:

a re-signing instruction~~second added instruction~~, which is set according to ~~one of the first terminal state, the second terminal state, and~~ the debug engineer state ~~third terminal state~~; and

a seventh~~second added~~ path, which is generated according to the re-signing instruction~~second added instruction~~, wherein the seventh~~second added~~ path points

from the re-signing instructionsecond added instruction to at least one of the first terminal state, the second terminal statedebug department manager state, and the third terminal state.

16. (Currently Amended)   The workflow managing system according to claim 11, wherein:

one of the first path, the second path and the fourththird path could be altered to point to another one of the first terminal state, the second terminal statedebug department manager state and the third terminal state.

17. (Canceled)

18. (Canceled)

19. (Currently Amended)   The workflow managing system according to claim 11, which cooperates with a user, wherein:

receives a selection of the user, which selects the first instructionsending instruction, the second instructionreceiving instruction, the returning instruction, or the third instructiondebug completing instruction from the first terminal staterequest form generating state, the second terminal statedebug department manager state, or the third terminal statedebug engineer state, so as to execute the first instructionsending instruction, the second instructionreceiving instruction, the returning instruction, or the third instructiondebug completing instruction.

20. (Currently Amended)   The workflow managing system according to claim 19, wherein:

at least one of the first terminal staterequest form generating state, the second terminal statedebug department manager state, and or the third terminal statedebug engineer state could receive an added data input by the user.